

REMARKS/ARGUMENTS

Claim Rejections under 35 U.S.C. 102

The Examiner has rejected claims 1, 4-16, 18, 19, 21, 22, 25, 26, 28, 30, 33-45, 47, 48, 50 under 35 U.S.C. 102(e) as being anticipated by Polizzi (US 6,643,661). Applicants have amended certain claims and traverse the claim rejections.

Amended Independent claims 1, 22, 30

Amended independent claim 1 requires implementing security features at a portal server, comprising:

implementing security features at a portal server, comprising:

receiving a first request from a client;

in response to receiving the first request, authenticating the client;

consulting a database to determine access privileges of the authenticated client for interactions with a plurality of applications, wherein the applications are located at backend servers;

generating code containing selectable interactions with the applications, wherein any authentication for the selectable interactions is performed within the portal server;

sending the code to the client;

responsive to sending the code to the client, receiving a second request from the client, wherein the second request contains a selection of at least one of the selectable interactions;

determining from the selection a set of backend servers to process the second request;

forwarding the second request to the set of backend servers;

receiving results corresponding to the second request from applications executing on the backend servers; and

(i) generating further selectable interactions for at least two different applications selected from the applications located at the backend servers, wherein the backend servers are located outside the portal server; and

(ii) sending the further selectable interactions with the results to the client, wherein the further selectable interactions for the at least two different applications located outside the portal server and the results are allowed to be displayed in a single Web page at the client.

The newly added claim requirements that the further selectable interactions for at least two different applications selected from the applications located at the backend servers, wherein the backend servers are located outside the portal server, and that the further selectable interactions for the at least two different applications located outside the portal server and the results are allowed to be displayed in a single Web page at the client are supported in at least original FIG. 5, where two different applications are the results are shown in a single web page, and in original FIG. 1 where the backend servers having the applications are shown located outside the portal server.

The Examiner has rejected claims 1, 22, 30 under 35 U.S.C. 102(e) as being anticipated by Polizzi. Applicants traverse.

In the cited Polizzi the databases (cited Polizzi, FIG. 1, reference numerals 135, 140, 145, 150) are shown outside the Portal (cited Polizzi, FIG. 1, reference numeral 120). The claims require that the further selectable interactions for the at least two different applications located outside the portal server and the results are allowed to be displayed in a single Web page at the client and nowhere does the cited Polizzi teach or disclose these claim requirements. The databases (cited Polizzi, FIG. 1, reference numerals 135, 140, 145, 150) of the cited Polizzi are different from the applications of the claim requirements. Applicants submit that the databases of the cited Polizzi that are shown outside the portal are not applications but are repositories of data. Therefore, nowhere does the cited Polizzi teach or disclose the claim requirements that the further selectable interactions for the at least two different applications located outside the portal server and the results are allowed to be displayed in a single Web page at the client.

Additionally nowhere does the cited Polizzi teach or disclose the claim requirements that a single web page includes the following:

- i) further selectable interactions for the at least two different applications where the applications are located outside the portal server; and
- ii) the results.

Should the Examiner continue to maintain the rejection, the Examiner is requested to indicate where the cited Polizzi teach or disclose the claim requirement that the further selectable interactions for the at least two different applications located outside the portal server and the results are allowed to be displayed in a single Web page.

For the above reasons claims 1, 22, 30 are patentable over the cited art.

Independent claims 13, 26, 42

Independent claim 13 requires:

creating data structures corresponding to interactions with a backend application;
associating privileges for each of the data structures, wherein the privileges are fully checked at a portal application separately hosted from the backend application;
receiving, at the backend application, a request from the portal application for reading the data structures; and

sending, from the backend application, the data structures to the portal application, wherein the interactions are operations that can be performed on the backend application and on resources related to the backend application, and wherein the backend application, the operations that can be performed on the backend application, and the resources related to the backend application are displayed on a single Web page on a client, wherein the portal application is included in a portal server, wherein the backend application is included in a backend server located outside the portal server, and wherein selectable interactions for at least two different backend applications located outside the portal server and results corresponding to at least one earlier operation are allowed to be displayed on the single Web page on the client.

The newly added claim requirements that the portal application is included in a portal server, wherein the backend application is included in a backend server located outside the portal server, and wherein selectable interactions for at least two different backend applications located outside the portal server and results corresponding to at least one earlier operation are allowed to be displayed on the single Web page on the client are supported in at least original FIG. 5, where two different applications are the results are shown in a single web page, and in original FIG. 1 where the backend servers having the applications are shown located outside the portal server.

The Examiner has rejected claims 13, 26, 42 under 35 U.S.C. 102(e) as being anticipated by Polizzi. Applicants traverse.

In the cited Polizzi the databases (cited Polizzi, FIG. 1, reference numerals 135, 140, 145, 150) are shown outside the Portal (cited Polizzi, FIG. 1, reference numeral 120). The claims require that selectable interactions for the at least two different backend applications located outside the portal server and the results corresponding to at least one earlier operation are allowed to be displayed in a single Web page at the client and nowhere does the cited Polizzi

teach or disclose these claim requirements. The databases (cited Polizzi, FIG. 1, reference numerals 135, 140, 145, 150) of the cited Polizzi are different from the backend applications of the claim requirements. Applicants submit that the databases of the cited Polizzi that are shown outside the portal are not the backend applications of the claim requirements but are repositories of data. Therefore, nowhere does the cited Polizzi teach or disclose the claim requirements that selectable interactions for at least two different backend applications located outside the portal server and results corresponding to at least one earlier operation are allowed to be displayed on the single Web page on the client

Additionally nowhere does the cited Polizzi teach or disclose the claim requirements that a single web page includes the following:

- i) selectable interactions for at least two different backend applications located outside the portal server; and
- ii) the results corresponding to at least one earlier operation.

Should the Examiner continue to maintain the rejection, the Examiner is requested to indicate where the cited Polizzi teach or disclose the claim requirement that selectable interactions for at least two different backend applications located outside the portal server and results corresponding to at least one earlier operation are allowed to be displayed on the single Web page on the client

For the above reasons, claims 13, 26, and 42 are patentable over the cited art.

Independent claims 19, 28, 48

Independent claim 19 requires:

authenticating with a portal server;

receiving a list of backend applications and interactions that can be performed with the backend applications from a portal application located in the portal server, wherein the backend applications are stored at backend servers that are different from the portal server;

selecting an interaction; and

receiving results based on the selection of the interaction without authenticating with the backend servers, wherein receiving the results further comprises receiving a set of further interactions selectable by the client computer, wherein the portal server performs all necessary authentications of the client computer, and wherein the backend servers avoid any authentication

of the client computer, wherein the backend applications are stored at the backend servers located outside the portal server, and wherein selectable interactions for at least two different backend applications located outside the portal server and results corresponding to at least one earlier operation are allowed to be displayed on a single Web page on the client computer.

The newly added claim requirements that the portal application is included in a portal server, wherein the backend application is included in a backend server located outside the portal server, and wherein selectable interactions for at least two different backend applications located outside the portal server and results corresponding to at least one earlier operation are allowed to be displayed on the single Web page on the client are supported in at least original FIG. 5, where two different applications are the results are shown in a single web page, and in original FIG. 1 where the backend servers having the applications are shown located outside the portal server.

The Examiner has rejected claims 19, 28, 48 under 35 U.S.C. 102(e) as being anticipated by Polizzi. Applicants traverse.

In the cited Polizzi the databases (cited Polizzi, FIG. 1, reference numerals 135, 140, 145, 150) are shown outside the Portal (cited Polizzi, FIG. 1, reference numeral 120). The claims require that backend applications are stored at the backend servers located outside the portal server, and wherein selectable interactions for at least two different backend applications located outside the portal server and results corresponding to at least one earlier operation are allowed to be displayed on a single Web page on the client computer and nowhere does the cited Polizzi teach or disclose these claim requirements. The databases (cited Polizzi, FIG. 1, reference numerals 135, 140, 145, 150) of the cited Polizzi are different from the backend applications of the claim requirements. Applicants submit that the databases of the cited Polizzi that are shown outside the portal are not the backend applications of the claim requirements but are repositories of data. Therefore, nowhere does the cited Polizzi teach or disclose the claim requirements that the backend applications are stored at the backend servers located outside the portal server, and wherein selectable interactions for at least two different backend applications located outside the portal server and results corresponding to at least one earlier operation are allowed to be displayed on a single Web page on the client computer.

Additionally nowhere does the cited Polizzi teach or disclose the claim requirements that a single Web page includes the following:

i) selectable interactions for at least two different backend applications located outside the portal server; and

ii) the results corresponding to at least one earlier operation.

Should the Examiner continue to maintain the rejection, the Examiner is requested to indicate where the cited Polizzi teach or disclose the claim requirement that the backend applications are stored at the backend servers located outside the portal server, and wherein selectable interactions for at least two different backend applications located outside the portal server and results corresponding to at least one earlier operation are allowed to be displayed on a single Web page on the client computer.

For the above reasons claim 19, 28, and 48 are patentable over the cited art.

Dependent claims 4-12, 14-16, 18, 21, 25-26, 33-41, 43-45, 47, 50

The Examiner has also rejected dependent pending claims 4-12, 14-16, 18, 21, 25-26, 33-41, 43-45, 47, 50 which are patentable over the cited art because they depend, directly or indirectly, from independent claims 1, 13, 19, 22, 26, 28, 30, 42, 48 which are patentable over the cited art for the reasons discussed above.

New Claims 51-59

The requirement of these new claims require that a selected backend application has a plurality of secure data objects having different security attributes, wherein each of the secure data objects corresponds to different interactions with the selected backend application, wherein a generic objects database is located in the portal server, wherein for each backend application the generic objects database includes a set of generic objects and associated security attributes for each potential user, wherein the set of generic objects correspond to the secure data objects, and wherein the generic objects stores at least those parts of the corresponding secure data objects that are needed for accessing and manipulating the secure data objects, and nowhere are these claim requirements found in the cited Polizzi.

The requirements of the new claims 51-59 may be found in at least paragraphs 22, 23 and FIG. 2 of the original specification.

Should the Examiner reject the new claims 51-59 the Examiner is requested to indicate where the cited Palozzi discloses the requirements of the new claims 51-59.

For the above reasons new claims 51-59 are patentable over the cited art.

Conclusion

For all the above reasons, Applicant submits that the pending independent claims 1, 13, 19, 22, 28, 30, 42, 48, and pending dependent claims 4-12, 14-16, 18, 21, 25-26, 33-41, 43-45, 47, 50-59 are patentable over the art of record. Applicants have indicated appropriate fees. Nonetheless, should any additional fees be required, please charge Deposit Account No. 09-0466.

The attorney/agent invites the Examiner to contact him at (310) 557-2292 if the Examiner believes such contact would advance the prosecution of the case.

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